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FILE 'HOME' ENTERED AT 10:37:13 ON 07 JUL 2004

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FILE 'MEDLINE' ENTERED AT 10:37:29 ON 07 JUL 2004

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=> s insulin
L1 573647 INSULIN

=> s insulin polypeptide
L2 46 INSULIN POLYPEPTIDE

=> s insulin polypeptide oligomer conjugate
L3 4 INSULIN POLYPEPTIDE OLIGOMER CONJUGATE

=> s proinsulin polypeptide oligomer conjugate
L4 3 PROINSULIN POLYPEPTIDE OLIGOMER CONJUGATE

=> d 13 1-4

L3 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:1006707 CAPLUS
DN 140:35957
TI Methods of reducing hypoglycemic episodes in the treatment of diabetes mellitus by orally administering an insulin-oligomer conjugate

IN Still, James Gordon; Kosutic, Gordana
PA Nobex Corporation, USA
SO PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|-----------|----------|-----------------|----------|
| PI | WO 2003105768 | A2 | 20031224 | WO 2003-US18763 | 20030613 |
| | WO 2003105768 | A3 | 20040311 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | US 2004038867 | A1 | 20040226 | US 2003-461199 | 20030613 |
| PRAI | US 2002-388988P | P | 20020613 | | |
| OS | MARPAT | 140:35957 | | | |

L3 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:971710 CAPLUS
DN 140:16981
TI Methods of synthesizing **insulin polypeptide-oligomer conjugates** and proinsulin polypeptide-oligomer conjugates
IN Soltero, Richard; Radhakrishnan, Balasingam; Ekwuribe, Nnochiri N.
PA USA
SO U.S. Pat. Appl. Publ., 101 pp., Cont.-in-part of U.S. Pat. Appl. 2003 87,808.
CODEN: USXXCO
DT Patent
LA English

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------------|------|----------|-----------------|----------|
| PI | US 2003229009 | A1 | 20031211 | US 2003-382022 | 20030305 |
| | US 2003087808 | A1 | 20030508 | US 2001-36744 | 20011221 |
| | US 2003228652 | A1 | 20031211 | US 2003-389499 | 20030317 |
| PRAI | US 2001-318197P | P | 20010907 | | |
| | US 2001-36744 | A2 | 20011221 | | |
| | US 2003-382022 | A2 | 20030305 | | |
| OS | MARPAT 140:16981 | | | | |

L3 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:971618 CAPLUS

DN 140:16980

TI Methods of synthesizing **insulin polypeptide-oligomer conjugates** and proinsulin polypeptide-oligomer conjugates

IN Radhakrishnan, Balasingam; Soltero, Richard; Ekwuribe, Nnochiri N.; Puskas, Monica; Sangal, Diti

PA USA

SO U.S. Pat. Appl. Publ., 102 pp., Cont.-in-part of U.S. Ser. No. 382,022. CODEN: USXXCO

DT Patent

LA English

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------------|------|----------|-----------------|----------|
| PI | US 2003228652 | A1 | 20031211 | US 2003-389499 | 20030317 |
| | US 2003087808 | A1 | 20030508 | US 2001-36744 | 20011221 |
| | US 2003229009 | A1 | 20031211 | US 2003-382022 | 20030305 |
| PRAI | US 2001-318197P | P | 20010907 | | |
| | US 2001-36744 | A2 | 20011221 | | |
| | US 2003-382022 | A2 | 20030305 | | |
| OS | MARPAT 140:16980 | | | | |

L3 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:221806 CAPLUS

DN 138:260413

TI Methods of synthesizing **insulin polypeptide-oligomer conjugates**, and proinsulin polypeptide-oligomer conjugates and methods of synthesizing same

IN Soltero, Richard; Radhakrishnan, Balasingham; Ekwuribe, Nnochiri N.

PA Nobex Corporation, USA

SO PCT Int. Appl., 113 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|-----------------|----------|
| PI | WO 2003022996 | A2 | 20030320 | WO 2002-US28428 | 20020906 |
| | WO 2003022996 | A3 | 20031231 | | |
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| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| | US 2003087808 | A1 | 20030508 | US 2001-36744 | 20011221 |

EP 1430082 A2 20040623 EP 2002-766246 20020906
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
 PRAI US 2001-318197P P 20010907
 US 2001-36744 A 20011221
 US 2002-349462P P 20020118
 WO 2002-US28428 W 20020906
 OS MARPAT 138:260413

=> d 14 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2003:971710 CAPLUS
 DN 140:16981
 TI Methods of synthesizing insulin polypeptide-oligomer conjugates and
 proinsulin polypeptide-oligomer
 conjugates
 IN Soltero, Richard; Radhakrishnan, Balasingam; Ekwuribe, Nnochiri N.
 PA USA
 SO U.S. Pat. Appl. Publ., 101 pp., Cont.-in-part of U.S. Pat. Appl. 2003
 87,808.
 CODEN: USXXCO

DT Patent
 LA English

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|------|----------|-----------------|----------|
| PI | US 2003229009 | A1 | 20031211 | US 2003-382022 | 20030305 |
| | US 2003087808 | A1 | 20030508 | US 2001-36744 | 20011221 |
| | US 2003228652 | A1 | 20031211 | US 2003-389499 | 20030317 |
| PRAI | US 2001-318197P | P | 20010907 | | |
| | US 2001-36744 | A2 | 20011221 | | |
| | US 2003-382022 | A2 | 20030305 | | |

OS MARPAT 140:16981

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2003:971618 CAPLUS
 DN 140:16980
 TI Methods of synthesizing insulin polypeptide-oligomer conjugates and
 proinsulin polypeptide-oligomer
 conjugates
 IN Radhakrishnan, Balasingam; Soltero, Richard; Ekwuribe, Nnochiri N.;
 Puskas, Monica; Sangal, Diti
 PA USA
 SO U.S. Pat. Appl. Publ., 102 pp., Cont.-in-part of U.S. Ser. No. 382,022.
 CODEN: USXXCO

DT Patent
 LA English

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|------|----------|-----------------|----------|
| PI | US 2003228652 | A1 | 20031211 | US 2003-389499 | 20030317 |
| | US 2003087808 | A1 | 20030508 | US 2001-36744 | 20011221 |
| | US 2003229009 | A1 | 20031211 | US 2003-382022 | 20030305 |
| PRAI | US 2001-318197P | P | 20010907 | | |
| | US 2001-36744 | A2 | 20011221 | | |
| | US 2003-382022 | A2 | 20030305 | | |

OS MARPAT 140:16980

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2003:221806 CAPLUS
 DN 138:260413
 TI Methods of synthesizing insulin polypeptide-oligomer conjugates, and

proinsulin polypeptide-oligomer

conjugates and methods of synthesizing same

IN Soltero, Richard; Radhakrishnan, Balasingham; Ekwuribe, Nnochiri N.

PA Nobex Corporation, USA

SO PCT Int. Appl., 113 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI WO 2003022996 | A2 | 20030320 | WO 2002-US28428 | 20020906 |
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|---------------|----|----------|
| WO 2003022996 | A3 | 20031231 |
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CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD,
RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
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PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG

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PRAI US 2001-318197P P 20010907

US 2001-36744 A 20011221

US 2002-349462P P 20020118

WO 2002-US28428 W 20020906

OS MARPAT 138:260413

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WEST Search History

DATE: Wednesday, July 07, 2004

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| <input type="checkbox"/> | L10 | insulin polypeptide oligomer conjugate | 14 |
| <input type="checkbox"/> | L9 | insulin polypeptide | 259 |
| <input type="checkbox"/> | L8 | insulin | 56170 |
| <i>DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i> | | | |
| <input type="checkbox"/> | L7 | L6 and l5 and l4 and l3 and l2 and l1 | 5 |
| <input type="checkbox"/> | L6 | 530/303 | 677 |
| <input type="checkbox"/> | L5 | 514/21 | 4173 |
| <input type="checkbox"/> | L4 | 514/12 | 10540 |
| <input type="checkbox"/> | L3 | 514/2 | 9926 |
| <input type="checkbox"/> | L2 | 424/85.2 | 1558 |
| <input type="checkbox"/> | L1 | 424/85.1 | 1907 |

END OF SEARCH HISTORY

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